

IN THE FIGURES

There were four figures on four sheets filed with the original application. Submitted with this Amendment and Response are proposed changes to Figures 1 and 3 with the changes to be
5 incorporated into the new drawings shown in red. No new matter is introduced. Applicant request the Examiner's approval for these proposed changes to the drawings.

IN THE CLAIMS

Claims 1-21 are pending. Please cancel claims 12, 13, and 14
10 and amend claims 1-3, 8-10, and 15-21 as follows.

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1 1. (Amended One Time) A method [for retrieving performance
2 monitor data from a processor], comprising:
3 registering a performance monitoring driver as a private
4 driver with a real time operating system (RTOS) of [the] a
5 processor, wherein the performance monitoring driver is coupled to
6 a performance monitoring unit (PMU);
7 selecting events within the processor to gather data on; and
8 sending the selected events as a message request to the RTOS.
9 [; translating the message request into parameters based on a
10 set of private group parameters that are accessible by the RTOS;
11 sending the message request as a translated request to the PMU;
12 returning the pieces of data requested by the translated request
13 to the performance monitoring driver; and sending the pieces of
14 data to a location specified in the message request].

1 2. (Amended One Time) The method of claim 1, further
2 comprising:
3 [prior to registering the performance monitoring driver,
4 initializing software in memory of the processor]
5 translating the message request into parameters based on a
6 set of private group parameters that are accessible by the RTOS;
7 sending the message request as a translated request to the PMU;
8 returning the pieces of data requested by the translated
9 request to the performance monitoring driver; and
10 sending the pieces of data to a location specified in the
11 message request.

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3. (Amended One Time) The method of claim 1, further
comprising:
[subsequent to registering the performance monitoring
driver,] initiating a performance monitor application that
generates a selection screen at a visual monitor coupled to the
processor through a host processor,
wherein selecting events within the processor on which to
gather data includes selecting the events at the selection screen.

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8. (Amended One Time) The method of claim 7, wherein the set
of private group parameters includes at least one of the following
parameters: an adjusted sample, a control, a counter, a current
mode, a current time, an ending time, an interval, a lock control,
a maximum algorithm, a maximum mode, a minimum sample interval, a
minimum sample unit, a mode control, a number counter, type of
performance monitoring hardware available, a sample interval, a
sigma time, and a status.

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[AdjustedSample, Control, Counter01, Counter02, Counter03,
Counter04, Counter05, Counter06, Counter07, Counter08, Counter09,
Counter10, Counter11, Counter12, Counter13, Counter14,
CurrentMode, CurrTime, EndingTime, Interval, LockControl,
MaxAlgorithm, MaxMode, MinSampleInterval, MinSampleUnits, Mode,
ModeControl, NumCounters, PerfHWType, SampleInterval, SigmaTime,
and Status].

1 9. (Amended One Time) The method of claim 1, further
2 comprising:

3 [subsequent to registering the performance monitoring
4 driver,] generating performance monitoring storage tables within
5 memory of the processor.

1 10. (Amended One Time) The method of claim 9, further
2 comprising:

3 [subsequent to returning the pieces of data requested by the
4 translated request to the performance monitoring driver,] sending
5 the pieces of data to the performance monitoring storage tables.

1 15. (Amended One Time) The method of claim 11 [14, wherein
2 the means for determining is an interpreting device], [the method]
3 further comprising:

4 generating a message in the interpreting device that causes a
5 fan internal to the host system to turn on in response to the
6 pieces of data returned from the performance monitoring unit.

1 16. (Amended One Time) In a [networking] system including [a
2 host system having a host processor coupled to an processor
3 through a peripheral components interconnect bus, and including a
4 first client coupled to the host system and a second client
5 coupled to the host system through network lines,] a computer
6 readable storage medium containing [executable computer program]
7 instructions which, when executed, cause an processor to [perform
8 a method comprising]:

9 [registering] register a performance monitoring driver as a

10 private driver with a real time operating system of the processor,
11 wherein the performance monitoring driver is coupled to a
12 performance monitoring unit;

13 [selecting] select events within the processor on which to
14 gather data;

15 [sending] send the selected events as a message request to
16 the real time operating system; and

17 [translating] translate the message request into parameters
18 based on a set of private group parameters that are accessible by
19 the real time operating system.

20 [; sending the message request as a translated request to the
21 performance monitoring unit; returning the pieces of data
22 requested by the translated request to the performance monitoring
23 driver; and sending the pieces of data to a location specified in
24 the message request.]

1 17. (Amended One Time) The computer readable storage medium
2 of claim 16, further causing the processor to:

3 send the message request as a translated request to the
4 performance monitoring unit;

5 return the pieces of data requested by the translated request
6 to the performance monitoring driver; and

7 send the pieces of data to a location specified in the
8 message request,

9 wherein the set of private group parameters includes at least
10 one of (i) control parameters for hardware-based performance
11 monitoring resources, (ii) mode-specific control parameters for a
12 performance monitoring resource, and (iii) data parameters for at

13 least one mode in one counter.

1 18. (Amended One Time) The computer readable storage medium
2 of claim 17, [the method] further comprising:

3 [subsequent to registering the performance monitoring driver,
4 generating] generate performance monitoring storage tables
5 within memory of the processor; and

6 [subsequent to returning the pieces of data requested by the
7 translated request to the performance monitoring driver, sending]
8 send the pieces of data to the performance monitoring storage
9 tables.

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1 19. (Amended One Time) A [distributed readable] storage
2 medium containing [executable computer program] instructions
3 which, when executed, cause [an] a processor to [perform a method
4 for retrieving performance monitor data from the processor, the
5 method comprising]:

6 [registering] register a performance monitoring driver as a
7 private driver with a real time operating system of the processor,
8 wherein the performance monitoring driver is coupled to a
9 performance monitoring unit;

10 [selecting] select events within the processor on which to
11 gather data;

12 [sending] send the selected events as a message request to
13 the real time operating system;

14 [translating] send the message request into parameters based
15 on a set of private group parameters that are accessible by the
16 real time operating system;

17 [sending] send the message request as a translated request to
18 the performance monitoring unit;

19 [returning] return the pieces of data requested by the
20 translated request to the performance monitoring driver; and

21 [sending] send the pieces of data to a location specified in
22 the message request.

1 20. (Amended One Time) The [distributed readable] storage
2 medium of claim 19, wherein the set of private group parameters
3 includes at least one of (i) control parameters for hardware-based
4 performance monitoring resources, (ii) mode-specific control
5 parameters for a performance monitoring resource, and (iii) data
6 parameters for at least one mode in one counter.

1 21. (Amended One Time) The distributed readable storage
2 medium of claim 20, [the method] further comprising:

3 [subsequent to registering the performance monitoring driver,
4 generating] generate performance monitoring storage tables within
5 the memory of the processor; and

6 [subsequent to returning the pieces of data requested by the
7 translated request to the performance monitoring driver, sending]
8 send the pieces of data to the performance monitoring storage
9 tables.